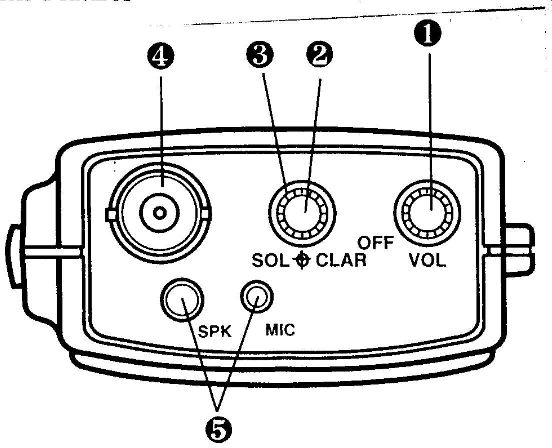
OPERATING CONTROL AND FEATURES

Top Panel Features



1. **Off/On, Volume** : Turn this button clockwise to turn power on and set desired listening volume.

2. **Squelch** : This control is used to cut off or eliminate receiver back ground noise in the absence of an incoming signal. For maximum receiver sensitivity, it is desired that the control be adjusted only to the point where the receiver background of ambient back ground noise is eliminated. The incoming signals that are then received will be stronger than the background noise.

3. **Clarifier** : Allows variation of the received frequencies above and below the channel frequency. Although this control is intended primarily to tune in SSB signals, it may also be used to optimize AM signals.

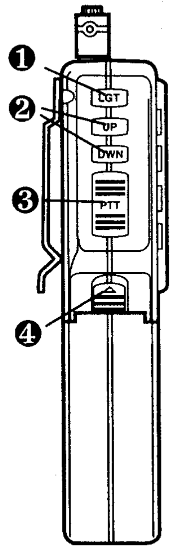
4. **Antenna Connector** : This radio uses a BNC type connector for use with the supplied custom flexible antenna. This antenna provides good performance given its overall size. However, longer antennas will substantially increase the users distance with the radio.

5. **Microphone and Speaker Jack** : 2.5mm and 3.5mm jack for connection of optional speaker microphone accessory.

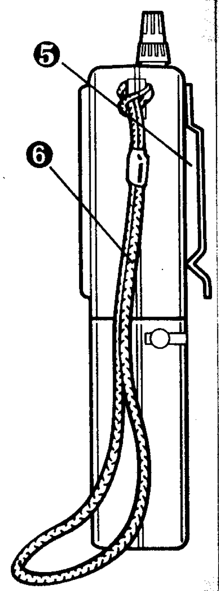
Dual Cover : When speaker/microphone are not being used, this prevents dirt and water from getting inside the CB.

OPERATING CONTROL AND FEATURES

Side and Back Panel Features

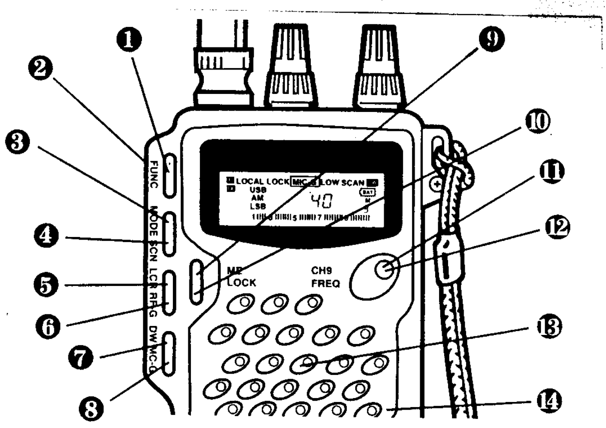


1. **Display Lamp :** Provides lighting of entire digital liquid crystal for use in dark or night time applications. Press the " LGT" once, and the lamp will stay on for six to seven seconds, after which it will turn itself off automatically. If you want to turn it off before the six or seven second period, simply press the "LGT" button a second time.
2. **Channel Up/Down Buttons :** When pressed, these buttons are used to select any one of the forty channels desired. Press the "UP" arrow to move to a higher channel than is currently shown on the display. Press the "DWN" arrow to move to a lower channel than is currently shown on the display. In either the "UP" or "DWN" mode, when you press and hold the channel button for longer than one half of a second, the channel will continuously move to the next channel until you release the button. (Please note that when the emergency channel 9/19 button has been activated, the up/down buttons will only switch the Channels between Channel 9 and 19. Once emergency 9/19 button has been released, the up/down button will operate normally)
3. **Push-To-Talk (PTT) switch :** The receiver and transmitter are controlled by the push-to-talk switch. Press the switch and the transmitter is activated: you can now send a message. To receive, release the push-to-talk switch. When transmitting, hold the SS-201 two inches from your mouth and speak clearly in a normal voice into the front of the speaker grill area.
4. **Battery Pack Latch :** Sliding this button up in it's tracks allows the battery case to be removed once it is placed on the radio.
5. **Belt Clip :** Allows for ease of carrying while attached to users belt.
6. **Flexible wrist strap :** Place strap around the wrist to prevent unit from falling to the ground in the event it falls out of users hand.



DESCRIPTION OF FEATURES (CONT)

Front Panel Features



1. **Function Button (Func)** : This button allows for activation of the secondary feature in each of the buttons on the front panel of the radio. The features that are activated by the FUNC button are those that are in the blue letters. These features are the following: SCAN, RF-G, MIC-G, LOCK, and FREQ. In addition, the "Hi/Low" power function is controlled by the "FUNC" button.

2. **SELECTABLE HI-LOW POWER** : The SS-201 has been designed with proprietary circuitry that gives superior transmitting performance. This gives the user the ability, depending on the usage application they are in, to select between two power levels. Low power output mode will give the user significantly longer battery life estimated to be twice as long as when in the full power mode.

   It is recommended that when you only need a range of 1/2 mile or less, the "low" position would provide more than adequate output power. If you need distances greater than that, leave the radio in the "Full" power mode.

   To Change The Power Output Level:

   A) Press and release the "FUNC" button.

   B) Then, press and release the "PTT" button. The word "Low" will appear on the display. The power out level is now 1 watt on the AM mode. This is recommended when communicating in short ranges, such as around 1/2 mile or less.

   C) To return to full power, simply press the "FUNC" button again, followed by the "PTT" switch. This will return the radio to the full power position, which is 4 watts in AM.

3. **Mode** : Allows selection between the four operational modes of the radio (AM/FM/USB/LSB). To select your desired mode, press the "Mode" button until you see the mode in which you desire. The order of appearance is AM, then FM, then USB, and then LSB.

4. **Scan** : Allows the radio to automatically scan through all forty channels, stopping at any channel that is busy with signals being communicated. It will remain on that channel during the conversation, and will not reactivate scanning until roughly 5 seconds after the communication signal has ended. To activate, press the FUNC button first, followed immediately by the MODE/SCN button. The word SCAN will appear on the display. To Stop, press the FUNC button again, followed immediately by pressing the MODE/SCN button again.

5. **LCR (Last Channel Recall)** : This feature allows the user to activate the last channel that was used prior to the current channel. To activate, press the LCR/RF-G button once. This changes the channel back to the last one that was previously used. Press again to return to the first channel displayed.

6. **RF-G (RF Gain)** : Allows to optimize the incoming signal. There are two settings for this feature: OFF, which creates the maximum amount of RF-gain, and "Activated", which can be identified by having the word "LOCAL" on the display. Activating the "RF-G" feature helps to attenuate very strong signals that are produced from another radio that is in very close proximity to the SS-201. To activate this feature, press the FUNC button. To turn this feature off, repeat this process.

7. **Dual Watch (DW)** : The Dual Watch feature gives the user the ability to monitor and communicate over two channels virtually simultaneously. An application of this may be be when you would like to communicate on a "quiet" channel (for example, channel 28), while at the same time monitoring conversations taking place on a very active channel (such as channel 19).

To Operate Dual Watch:

A) Select the channel you-want to monitor as your "watch" channel.

B) Once you have that channel displayed, press the "DW" button once. The "DW" will appear on the LCD display.

C) Select your normal channel, using the "Up or Down" button to get to that channel. About 6 seconds after you have stopped on that channel, the Dual Watch feature will begin. Every 6 seconds the SS-201 will switch to the "Watch Channel", monitoring it for any communication. If a signal is received on the "Watch Channel", the radio will change to that channel immediately. To turn off the " Dual Watch" feature: Simply press the "DW" button again.

8. **MIC-Gain (Mic-G) :** When activated, the MIC-G feature actually adjusts the microphone gain in the transmit mode. On the SS-201 activating the Mic-Gain feature would have its best application when the user has a very strong, "booming" voice tone that would create a distorted signal going into the microphone. Because this situation will only occur in rare situations, the Mic-Gain feature in the OFF position will give the user maximum sensitivity.

   To Turn-On, press the "Func" button first, followed immediately by the DW/MIC-G button. The letters "MIC-G" will appear on display. **To Turn-Off,** press the "FUNC" button again, followed immediately by the DW/MIC-G button.

9. **Five Memory Presets :** The SS-201 has 5 memory preset locations that are great for storing your most frequently used channels, allowing immediate access to them in a very convenient, simplistic method.

   To Store Channels in the Memory Locations:

   A) Select the channel that you want to store into a memory location.

   B) Press and hold the "ME" button until the letters "ME", with a number between 1-5 below it, appear on the display.

   C) Select the memory location number that you want to store the channel into by pressing either the "UP" or "DOWN" button. The memory number location will change each time you press one of the channel buttons.

   D) Once you have selected the memory number location, press and hold the "ME" button for at least two seconds. Then, release the button, and the "ME" letters and the memory number will disappear from the display.

To Access Channels in the Memory:

A) Press and release the "ME" button.

B) The last used memory location number, and the channel stored that location will appear on the display.

C) To select one of the other memory locations, simply press either the "UP" or "DOWN" button. This will give you the desired memory location and its respective channel for your use. (Note: The letters "ME" will not appear on the display when selecting a previously stored channel. Only the number (1-5) of the memory location that corresponds to that channel.)

To Change The Channels Stored Within A Memory Location:

If you desire to change the channel being stored within a memory location, simply repeat the process described in "To Store Channels in a Memory Location". The new channel number will be stored over the channel that was previously in that memory location.

10. **Lock** : The LOCK feature allows the user to "lock" virtually all of the button features on the radio so that once they are set, they can not be activated. This will prevent the radio from having its operation modes changed once the user has them set the way they like. To Activate, press the "FUNC" button, followed by the "LOCK" button. The word "LOCK" will appear on the display. With this feature activated, the only buttons that will work are the "Light" button and the PTT(Transmit) button. To deactivate, simply press the "FUNC" button again, followed immediately by the "LOCK" button.

11. **Emergency Channel 9/19:** Your SS-201 has a Emergency button for instant access to both the National Emergency Channel 9, which is monitored by police and various safety groups, as well as the most frequently used channel by professional drivers, Channel 19. This feature has been designed that will provide the best avenue in calling for help during an emergency situation.

To activate Channel 9, simply press the "CH 9" button once. The display will show a flashing "09". To transmit, simply press the "PTT" button like you would for any normal transmit.

To access Channel 19, press the "UP" channel selector button. The flashing channel will change from "09" to "19". Press the "PTT" button, and transmit your message.

To deactivate either of these channels once they have been selected, simply press the "CH 9" button again.

NOTE: When the SS-201 is in the emergency mode with either "09" or "19" flashing, the Up - Down buttons will only operate to change between these two channels. They will not allow selection of other channels at that time.

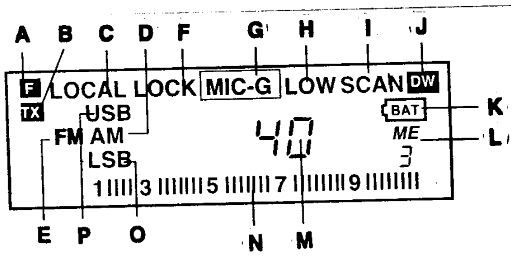
12. **Frequency Readout (FREQ) :** This allows the user to switch from the channel readout to the corresponding frequency of that particular channel. To activate, press the "FUNC" button once, followed immediately by the "FREQ" button. The five digit frequency will be displayed. To return to the channel readout, simply press the "FUNC" button again, followed by the "FREQ" button again.

13. **Speaker :** High quality, impact resistant output speaker for clear output reception.

14. **Electronic Microphone :** Front mounted, electrostatic condenser microphone for clear high quality transmission power. You should hold the radio 2-4 inches from your mouth and speak in a normal voice.

BATTERY CASE : Slide on battery case, which contain 9 "AA" batteries. (See "batteries" for installation instructions). We recommend only using AA Ni-Cads in this radio.

Display Panel Features
Illustrated below are all the VISUAL INDICATORS that appear on the display, and the corresponding feature function that they associate with:



Liquid Crystal Display Panel : The state-of-the-art liquid crystal panel provides the user with a visual information center on the operation and status of the SS-201.

CAUTION : Due to the components inherent in them, liquid crystal displays should not be subjected to extremes of temperature or humidity. If the unit is exposed to temperatures below -20C (-5F) or above +60C (+140F), the display may temporarily cease to function properly, and in some cases, could result in permanent damage. Do not subject radio to extreme conditions, such as a closed automobile in direct sunlight or continuous sub-zero temperatures.

All liquid crystal displays have a preferred viewing angle when the display contrast is at a maximum. The best viewing point will vary by user, depending on such variables as temperature, humidity, battery condition, and the actual users eyesight.

A. Function Mode : Indicated the " Func" button has been selected, which allows for operation of many of the "transmit" mode.

B. TX : Indicates that radio is in the " transmit" mode.

C. Local : Indicates that the RF-Gain feature has been activated.

D. "AM" : Indicates AM mode operation.

E. "FM" : Indicates FM mode operation.

F. Lock : Indicates the key lock feature has been activated.

G. **MIC-G** : Indicates that the Mic-Gain feature has been activated.

H. **Low Power** : Indicates that user has selected the "Low Power" output mode. When the indicator is not shown, radio is in full output mode.

I. **Scan** : Indicates that the radio is in the "scan" mode, which works in conjunction with all forty channels.

J. **DW** : Indicates that the Dual Watch feature has been activated.

K. **"BAT"** : Indicates batteries are getting low.

L. **"ME"** : Indicates that a pre-set memory location has been selected, and the corresponding channel that is assigned to that memory.

M. **Channel/Frequency Indicator** : Displays either the channel number or the corresponding frequency, in which the radio is operating on.

N. **Signal/RF Output Meter** : Your SS-201 incorporates a eighteen segment incoming signal and power output meter in the liquid crystal display panel.

When receiving a signal, the meter will indicate how strong the signal is. A weak signal will be indicated by five or seven segments, while a very strong signal will have 10 or more segments.

When transmitting, the letter "TX" will appear on the display. If the radio is operating in the HIGH power position, 20 to 25 segments will be displayed, depending on the condition of your batteries. If the radio is operating in the LOW power position, only 5 to 7 segments will appear.

O. **"LSB"** : Indicates lower side band mode of operation.

P. **"USB"** : Indicates upper side band mode of operation.